

DEVICE AND METHOD FOR TRACKING
CONDITIONS IN AN ASSAY

ABSTRACT OF THE DISCLOSURE

The invention provides a device comprising a substrate having a plurality of different molecular probes attached to a surface thereof and an integrated indicator that exhibits a response when exposed to a condition to which the substrate may be exposed. Each different molecular probe is selected to interact with a different corresponding target, and the indicator response is detectable after removing the indicator from the condition. Alternatively, a substrate is provided having a plurality of molecular probes attached to a surface thereof and a plurality of different integrated indicators. Each indicator is selected to exhibit a response when exposed to one of a plurality of conditions to which the substrate may be exposed. The inventive devices are typically used for biomolecular, or more specifically, nucleotidic assays. The invention also provides for various apparatuses and methods for assaying a sample using the inventive devices.